

**Figure 1**

ATGTCCTTGTGGCTGGGGGCCCCCTGTGCCTGACATTCCTCCTGACTCTGCGGTGGA  
5 GCTGTGGAAGCCAGGCGCACAGGATGCAAGCAGCCAGGCCAGGGAGGCAGCAG  
CTGCATCCTCAGAGAGGAAGCCAGGATGCCCCACTCTGCTGGGGGTACTGCAGGG  
GTGGGGCTGGAGGCTGCAGAGCCCACAGCCCTGCTCACCAGGGCAGAGCCCCCTT  
CAGAACCCACAGAGATCCGTCCACAAAAGCGGAAAAAGGGGCCAGCCCCCAAAT  
GCTGGGGAACGAGCTATGCAGCGTGTGTGGGGACAAGGCCTCGGGCTTCCACTAC  
10 AATGTTCTGAGCTGCGAGGGCTGCAAGGGATTCTTCCGCCGCAGCGTCATCAAGGG  
AGCGCACTACATCTGCCACAGTGGCGGCCACTGCCCCATGGACACCTACATGCGTC  
GCAAGTGCCAGGAGTGTGCGCTTCGCAAATGCCGTCAGGCTGGCATGCGGGAGGA  
GTGTGTCCTGTCAGAAGAACAGATCCGCCTGAAGAACTGAAGCGGCAAGAGGAG  
GAACAGGCTCATGCCACATCCTTGCCCCCAGGCGTTCCTCACCCCCCAAATCCT  
15 GCCCCAGCTCAGCCCGGAACAACTGGGCATGATCGAGAAGCTCGTCGCTGCCAG  
CAACAGTGTAACCGGCGCTCCTTTTCTGACCGGCTTCGAGTCACGCCTTGGCCCAT  
GGCACCAGATCCCCATAGCCGGGAGGCCCGTCAGCAGCGCTTGCCCACTTCACTG  
AGCTGGCCATCGTCTCTGTGCAGGAGATAGTTGACTTTGCTAAACAGCTACCCGGC  
TTCCTGCAGCTCAGCCGGGAGGACCAGATTGCCCTGCTGAAGACCTCTGCGATCGA  
20 GGTGATGCTTCTGGAGACATCTCGGAGGTACAACCCTGGGAGTGAGAGTATCACCT  
TCCTCAAGGATTTCAAGTTATAACCGGGAAGACTTTGCCAAAGCAGGGCTGCAAGTG  
GAATTCATCAACCCCATCTTCGAGTTCTCCAGGGCCATGAATGAGCTGCAACTCAA  
TGATGCCGAGTTTGCTTGTCTATTGCTATCAGCATCTTCTCTGCAGACCGGCCCAA  
CGTGCAGGACCAGCTCCAGGTGGAGAGGCTGCAGCACACATATGTGGAAGCCCTG  
25 CATGCCTACGTCTCCATCCACCATCCCCATGACCGACTGATGTTCCACGGATGCT  
AATGAAACTGGTGAGCCTCCGGACCCTGAGCAGCGTCCACTCAGAGCAAGTGTTTG  
CACTGCGTCTGCAGGACAAAAAGCTCCACCGCTGCTCTCTGAGATCTGGGATGTG  
CACGAATGA

**Figure 2**

MSLWLGA VPDIPDS AVELWKPGA QDASSQA QGGSSCIL REEARMPHSAGGTAGVG  
5 LEAAEPTALLTRA EPPSEPT EIRPQKRKK GPAPKMLGNELCSVCGDKASGFHYNVLSCE  
GCKGFFRRSVIKGAHYICHSGGHCPMDTYMRRKCQECRLRKCRQAGMREECVLSEEQ  
IRLKKLKRQEEEAHATSLPPRRSSPPQILPQLSPEQLGMIEKLVA AQQQCNRRSFSDRL  
RVTPWPMAPDPHSREARQQRFAHFTELAI VSVQEIVDFAKQLPGFLQLSREDQIAL LKT  
SAIEVMLLET SRRYNPGSEITFLKDFSYNREDFAKAGLQVEFINPIFEFSRAMNELQLN  
10 DAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEALHAYVSIHHPHDRLMFPRMLMK  
LVSLRTLSSV HSEQVFALRLQDKKL PPLLSEIWDVHE

**Figure 3**

ATGTCCTCTCCTACCACGAGTTCCCTGGATACCCCCCTGCCTGGAAATGGCCCCCCT  
CAGCCTGGCGCCCCCTTCTTCTTCACCCACTGTAAAGGAGGAGGGTCCGGAGCCGTG  
GCCCCGGGGGTCCGGACCCTGATGTCCAGGCACTGATGAGGCCAGCTCAGCCTGC  
5 AGCACAGACTGGGTCATCCCAGATCCCGAAGAGGAACCAGAGCGCAAGCGAAAG  
AAGGGCCCAGCCCCGAAGATGCTGGGGCCACGAGCTTTGCCGTGTCTGTGGGGACA  
AGGCCTCCGGCTTCCACTACAACGTGCTCAGCTGCGAAGGCTGCAAGGGCTTCTTC  
CGGCGCAGTGTGGTCCGTGGTGGGGCCAGGCGCTATGCCTGCCGGGGTGGCGGAA  
CCTGCCAGATGGACGCTTTCATGCGGCGCAAGTGCCAGCAGTGCCGGCTGCGCAA  
10 GTGCAAGGAGGCAGGGATGAGGGAGCAGTGCGTCCTTTCTGAAGAACAGATCCGG  
AAGAAGAAGATTTCGGAACAGCAGCAGGAGTCACAGTCACAGTCGCAGTCACCTG  
TGGGGCCGCAGGGCAGCAGCAGCTCAGCCTCTGGGCCTGGGGCTTCCCCTGGTGG  
ATCTGAGGCAGGCAGCCAGGGCTCCGGGGAAGGCGAGGGTGTCCAGCTAACAGCG  
GCTCAAGAACTAATGATCCAGCAGTTGGTGGCGGCCCAACTGCAGTGCAACAAAC  
15 GCTCCTTCTCCGACCAGCCCAAAGTCACGCCCTGGCCCCCTGGGCGCAGACCCCCAG  
TCCCGAGATGCCCCGCCAGCAACGCTTTGCCCACTTCACGGAGCTGGCCATCATCTC  
AGTCCAGGAGATCGTGGACTTCGCTAAGCAAGTGCCTGGTTTCCTGCAGCTGGGCC  
GGGAGGACCAGATCGCCCTCCTGAAGGCATCCACTATCGAGATCATGCTGCTAGA  
GACAGCCAGGCGCTACAACCACGAGACAGAGTGTATCACCTTCTTGAAGGACTTC  
20 ACCTACAGCAAGGACGACTTCCACCGTGCAGGCCTGCAGGTGGAGTTCATCAACCC  
CATCTTCGAGTTCTCGCGGGCCATGCGGCGGCTGGGCCTGGACGACGCTGAGTACG  
CCCTGCTCATCGCCATCAACATCTTCTCGGCCGACCGGCCCAACGTGCAGGAGCCG  
GGCCGCGTGGAGGCGTTGCAGCAGCCCTACGTGGAGGCGCTGCTGTCTACACGC  
GCATCAAGAGGCCGCGAGGACCAGCTGCGCTTCCCGCGCATGCTCATGAAGCTGGT  
25 GAGCCTGCGCACGCTGAGCTCTGTGCACTCGGAGCAGGTCTTCGCCTTGCGGCTCC  
AGGACAAGAAGCTGCCGCCTCTGCTGTGCGAGATCTGGGACGTCCACGAGTGA

**Figure 4**

MSSPTTSSLDTPLPGNGPPQPGAPSSSPTVKEEGPEPWPGGPDVPGTDEASSACSTD  
WVIPDPEEEPERKRKKGPAPKMLGHELRCVCGDKASGFHYNVLSCEGCKGFFRRSVV  
5 RGGARRYACRGGGTCQMDAFMRRKCQQCRLRKCKEAGMREQCVLSEEQIRKKKIRK  
QQQESQSQSQSPVGPQGSSSSASGPGASPGGSEAGSQGSGE GEGVQLTAAQELMIQQL  
VAAQLQCNKRSFSDQPKVTPWPLGADPQSRDARQQRFAHFTELAIISVQEIVDFAKQV  
PGFLQLGREDQIALLKASTIEIMLLETARRYNHETECITFLKDFTYSKDDFHRAGLQVEF  
INPIFEFSRAMRRLGLDDAEYALLIAINIFSADRPNVQEPGRVEALQQPYVEALLSYTRI  
10 KRPQDQLRFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPPLLSEIWDVHE